



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN THE APPLICATION OF:

ZHEN-YU YANG ET. AL.

CASE NO.: CL2203USPCT

APPLICATION NO.: 10/560878

CONFIRMATION NO.: 2511

GROUP ART UNIT: 1621

EXAMINER: UNKNOWN

FILED: June 25, 2004 (PCT Filing)  
December 13, 2005 (371  
Entry Date)

FOR: TRIFLUOROSTYRENE CONTAINING COMPOUNDS, AND THEIR USE IN  
POLYMER ELECTROLYTE MEMBRANES

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with 37 C.F.R. §§1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office the information listed on the enclosed PTO/SB/08A and/or PTO/SB/08B forms. A copy of the information, if required, is enclosed. Also enclosed is a copy of the International Search Report and referenced cited therein, if required. Consideration of the information is requested under 37 C.F.R. § 1.56 and this information is submitted in accord with the provisions of §1.97(b): within three months of filing the national application under 37 C.F.R. §1.53(d), or entry into the national stage under 37 C.F.R. §1.491, or before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action on the merits after filing a Request for Continued Examination under 37 C.F.R. §1.114.

If this Information Disclosure Statement is filed under §1.97(b) but the mailing date hereof is after the mailing of a first Office Action on the merits, the PTO is authorized to charge the fee set forth in 37 C.F.R. §1.17(p) to Deposit Account No. **04-1928** (E. I. du Pont de Nemours and Company) in order to

complete the requirements for consideration of this Information Disclosure Statement.

Respectfully submitted,



**THOMAS W. GORMAN**  
Attorney for Applicants  
Registration No.: 31,959  
Telephone: (302) 892-1543  
Facsimile: (302) 992-5374

Dated: 8-2-06

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

## Complete if Known

Application Number	10/560878
Filing Date	June 25, 2004
First Named Inventor	ZHEN-YU YANG
Group Art Unit	1621
Examiner Name	UNKNOWN
Attorney Docket Number	CL2203USPCT

## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number – Kind Code <sup>2</sup> (if known)				
	1	US -	3,664,915	05-23-1972	WILBERT L. GORE	
	2	US -	3,953,566	04-27-1976	ROBERT W. GORE	
	3	US -	3,962153	06-08-1976	ROBERT W. GORE	
	4	US -	4,187,390	02-05-1980	ROBERT W. GORE	
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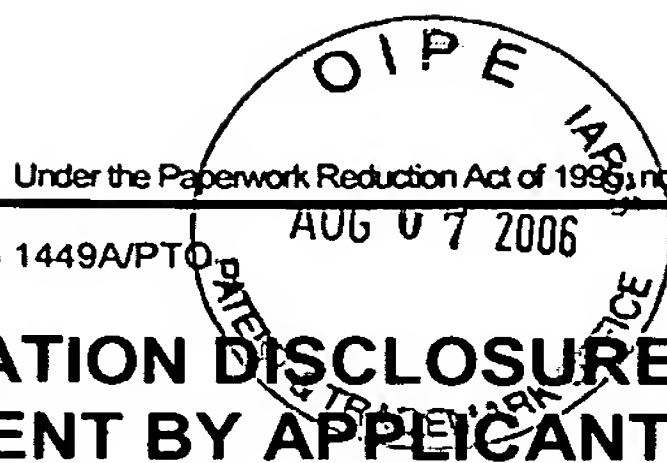
## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
		CountryCode <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	1	CN	1 349 962	05-22-2002	SHANGHAI INSTITUTE OF ORGANIC CHEMISTRY		<input type="checkbox"/>
	2	WO	97/25369 A1	07-17-1997	BALLARD POWER SYSTEMS INC.		<input type="checkbox"/>
	3	WO	98/20573 A1	05-14-1998	DUPONT		<input type="checkbox"/>
	4	WO	96/39379 A1	12-12-1996	BALLARD POWER SYSTEMS INC.		<input type="checkbox"/>
	5	EP	1 170 310 A2	01-09-2002	SAMSUNG ELECTRONICS CO. LTD.		<input type="checkbox"/>
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PTO/SB/08B (07-05)

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STATEMENT BY APPLICANT**

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Sheet

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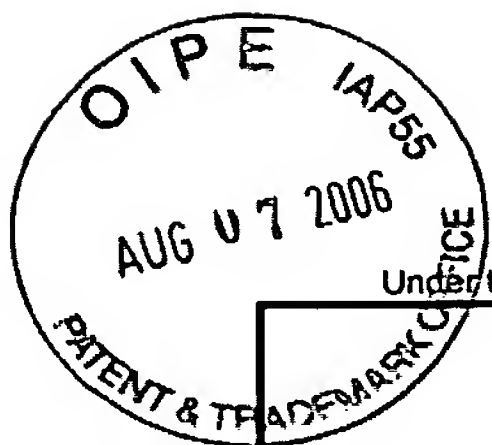
**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	ANDREW E. FEIRING ET. AL., AROMATIC MONOMERS WITH PENDANT FLUOROALKYLSULFONATE AND SULFONIMIDE GROUPS, JOURNAL OF FLUORINE CHEMISTRY, 2000, VOL. 105: 129-135	<input type="checkbox"/>
	2	DONALD J. BURTON ET. AL., PALLADIUM-CATALYZED CROSS-COUPPLING OF PERFLUOROALKENYLZINC REAGENTS WITH ARYL IODIDES. A NEW, SIMPLE SYNTHESIS OF $\alpha$ , $\beta$ -TRIFLUOROSTYRENES AND THE STEREoselective PREPARATION OF 1-ARYLPERFLUOROPENES, J. ORG. CHEM., 1988, VOL. 53:2714-2720	<input type="checkbox"/>
	3	T. ISHISAKI ET. AL., FLEMION MEMBRANES FOR PEMFC, FUEL CELL SEMINAR (10/30 TO 11/2), 2000, PAGES 23-26	<input type="checkbox"/>
	4	YOSHITSUGA SONE ET. AL., PROTON CONDUCTIVITY OF NAFION 117 AS MEASURED BY A FOUR-ELECTRODE AC IMPEDANCE METHOD, J. ELECTROCHEM. SOC., 1996, VOL. 143:1254-1259	<input type="checkbox"/>
	5	LU ET. AL., SYNTHESIS OF TRIFLUOROSTYRENE DERIVATIVES AS POLYMER MONOMERS FOR PROTON EXCHANGE RESINS, SHANGHAI INSTITUTE OF ORGANIC CHEMISTRY, XP-002303652	<input type="checkbox"/>
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10/560878

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